

For Research Use Only

CD169 Polyclonal antibody, PBS Only

Catalog Number: 55427-1-PBS



Basic Information

Catalog Number:

55427-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_023068

GeneID (NCBI):

6614

UNIPROT ID:

Q9BZZ2

Full Name:

sialic acid binding Ig-like lectin 1, sialoadhesin

Calculated MW:

183 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

IHC, IF-P, Indirect ELISA

Species Specificity:

human

Background Information

CD169, also known as sheep erythrocyte receptor (SER), Sialoadhesin (Sn) or Siglec-1, is a sialic acid-binding immunoglobulin-like lectin that belongs to the SIGLEC family of the Ig superfamily (PMID: 3783087; 11133773). CD169 is a single-pass transmembrane protein containing a long extracellular domain, a transmembrane region, and a short cytoplasmic tail (PMID: 11133773). It is primarily expressed on the surface of specific macrophage subsets and its precursor monocytes, as well as on some DCs (PMID: 33408860). CD169 binds to sialic acid-containing glycoconjugates, particularly those with $\alpha(2,3)$ -linkages. It is involved in immune regulation, pathogen recognition, and cell-cell interactions.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

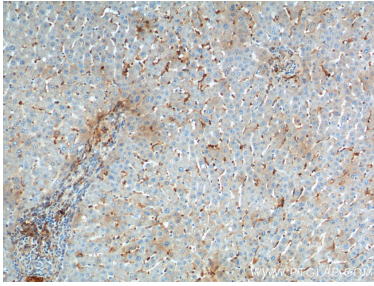
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

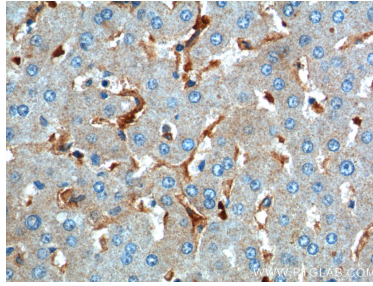
E: proteintech@ptglab.com
W: ptglab.com

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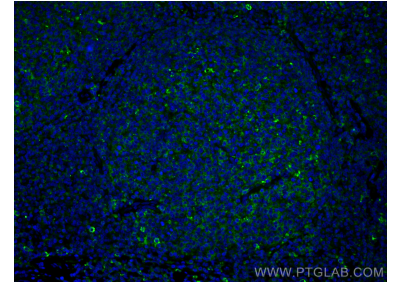
Selected Validation Data



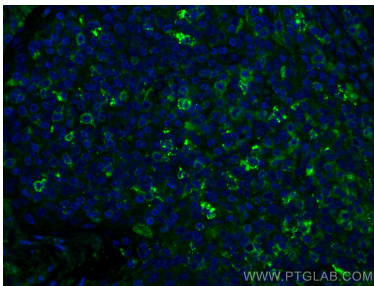
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 55427-1-AP (CD169 Antibody) at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 55427-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 55427-1-AP (CD169 Antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 55427-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD169 antibody (55427-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 55427-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD169 antibody (55427-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 55427-1-PBS in a different storage buffer formulation.